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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,001	03/29/2006	Takashi Kenmoku	03500.103895.	4088
5514 7590 09/24/2008 FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA			EXAMINER	
			FANG, SHANE	
NEW YORK, NY 10112			ART UNIT	PAPER NUMBER
			4131	
			MAIL DATE	DELIVERY MODE
			09/24/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/574,001	KENMOKU ET AL.		
Office Action Summary	Examiner	Art Unit		
	SHANE FANG	4131		
	nication appears on the cover sheet wi	ith the correspondence address		
Period for Reply		IONITH (O) OF THE TO (OO) FANCE		
A SHORTENED STATUTORY PERIOD F WHICHEVER IS LONGER, FROM THE N - Extensions of time may be available under the provisions after SIX (6) MONTHS from the mailing date of this come of the priod for reply is specified above, the maximum service of the properties of th	MAILING DATE OF THIS COMMUNION of 37 CFR 1.136(a). In no event, however, may a remunication. tatutory period will apply and will expire SIX (6) MON y will, by statute, cause the application to become AE	CATION. reply be timely filed  NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).		
Status				
1) Responsive to communication(s) file	ed on <u>12 <i>April 2008</i></u> .			
2a) ☐ This action is <b>FINAL</b> .	2a) This action is <b>FINAL</b> . 2b) This action is non-final.			
3)☐ Since this application is in condition	for allowance except for formal matt	ers, prosecution as to the merits is		
closed in accordance with the pract	ice under <i>Ex parte Quayle</i> , 1935 C.D	). 11, 453 O.G. 213.		
Disposition of Claims				
4)⊠ Claim(s) <u>1-15</u> is/are pending in the	application.			
4a) Of the above claim(s) is/a				
5) Claim(s) is/are allowed.				
6)☐ Claim(s) is/are rejected.				
7) Claim(s) is/are objected to.				
8)⊠ Claim(s) <u>1-15</u> are subject to restrict	ion and/or election requirement.			
Application Papers				
9)☐ The specification is objected to by the	ne Examiner.			
10)☐ The drawing(s) filed on is/are	: a) ☐ accepted or b) ☐ objected to	by the Examiner.		
Applicant may not request that any obje	ection to the drawing(s) be held in abeyan	nce. See 37 CFR 1.85(a).		
<u> </u>	g the correction is required if the drawing			
11)☐ The oath or declaration is objected t	o by the Examiner. Note the attached	d Office Action or form PTO-152.		
Priority under 35 U.S.C. § 119				
12)⊠ Acknowledgment is made of a claim	for foreign priority under 35 U.S.C. §	§ 119(a)-(d) or (f).		
a)⊠ All b) Some * c) None of:		, , , , , , ,		
<ol> <li>Certified copies of the priority</li> </ol>	documents have been received.			
<ol><li>Certified copies of the priority</li></ol>	documents have been received in A	pplication No		
	of the priority documents have been	received in this National Stage		
	onal Bureau (PCT Rule 17.2(a)).			
* See the attached detailed Office action	on for a list of the certified copies not	received.		
Attachment(s)				
1) Notice of References Cited (PTO-892)		Summary (PTO-413)		
Notice of Draftsperson's Patent Drawing Review (I     Information Disclosure Statement(s) (PTO/SB/08)     Paper No(s)/Mail Date		s)/Mail Date nformal Patent Application		

## **DETAILED ACTION**

Page 2

## Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1 and 5 drawn to copolymer of a chemically modifying polyhydroxyalkanoate comprised of at least a unit represented by a chemical formula (1);

Group II, claim(s) 2 and 5 drawn to copolymer of a chemically modifying polyhydroxyalkanoate comprised of at least a unit represented by chemical formula (1), (2), (3), (4A), or (4B);

Group III, claim(s) 3 and 5, drawn to a chemically modifying polyhydroxyalkanoate comprised of at least a unit represented by a chemical formula (5);

Group IV, claim(s) 4 and 5, drawn to a chemically modifying polyhydroxyalkanoate comprised of at least a unit represented by a chemical formula (6);

Group V, claim(s) 6 and 12, drawn to a method for producing polyhydroxyalkanoate represented by a chemical formula (9), comprised of a step of polymerizing a compound represented by a chemical formula (8);

Group VI, claim 7, drawn to a method for producing polyhydroxyalkanoate represented by a chemical formula (13);

Art Unit: 4131

Group VII, claim(s) 8 and 13, drawn to a method for producing polyhydroxyalkanoate represented by a chemical formula (15), comprised of a step of polymerizing a compound represented by a chemical formula (14);

Group VIII, claim 9, drawn to a method for producing polyhydroxyalkanoate represented by a chemical formula (17);

Group IX, claim 10, drawn to a method for producing polyhydroxyalkanoate represented by a chemical formula (19);

Group X, claim 11, drawn to a method for producing polyhydroxyalkanoate represented by a chemical formula (20);

Group XI, claim 14, drawn to a method for producing polyhydroxyalkanoate represented by a chemical formula (170); and

Group XII, claim 15, drawn to a method for producing polyhydroxyalkanoate represented by a chemical formula (172).

The inventions listed as Groups I-XII do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the common technical feature in all groups is the modifying polyhydroxyalkanoate having modified reactive groups on the side chain and producing methods. This element cannot be a special technical feature under PCT Rule 13.2 because the element is shown in the prior art. US Patent 6,083,729 (Claim 4) discloses a polyhydroxyalkanoate prepared from the same components as claimed by applicants except for the particular inclusion of the Sulfur unit in the chain as claimed. It would have been obvious to one having

Art Unit: 4131

ordinary skill in the art at the time the invention was made to employ particular amounts and/or parameters as known in the art, since when chemical compounds have "very close" structural similarities and similar utilities, without more a prima facie case may be made, i.e., obviousness may be based solely upon structural similarity (an established structural relationship between a prior art compound and the claimed compound, as with homologs). See In re Wilder, 563 F.2d 457,460,195 (CCPA 1977). See In re Deuel, 51 F.3d 1552 (Fed. Cir.1995). The necessary motivation to make the claimed compound, and thus the prima facie case of obviousness, arises from the reasonable expectation that compounds similar in structure will have similar properties. In re Gyurik, 596 F.2d 1012, 1018 (CCPA 1979). See MPEP § 2144.08,09, §2163, §2143.

Affirmation of this election must be made by applicant in replying to this office action. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even through the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHANE FANG whose telephone number is (571)270-7378. The examiner can normally be reached on Mon.-Thurs. 8 a.m. to 6:30 p.m. EST..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Sample can be reached on (271)272-1376. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/574,001 Page 5

Art Unit: 4131

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/David R. Sample/ Supervisory Patent Examiner Art Unit 4131

s.f.